Rec'd PCT/PTO 18 MAY 2005

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| DECLARATION  | FOR UTIL          | ITY OR                      | Attorney I<br>Number | Docket               | Docket M02B151 |                   |                  |  |
|--|-------------------|-----------------------------|----------------------|----------------------|----------------|-------------------|------------------|--|
|  | SIGN              |                             |                      | ed Inventor          | scно           | FIELD et al.      | <del>-</del> ,   |  |
| PATENT A   | <del>-</del>      | ON                          |                      | COI                  | MPLETE         | IF KNOWN          |                  |  |
| (37 CF   | FR 1.63)          |                             | Applicatio           | n Number             |                |                   |                  |  |
| Declaration  | Declara           |                             | Filing Dat           | e                    |                |                   |                  |  |
| Submitted OR With Initial  | Filing (s         | ted after Initial surcharge | Art Unit             |                      |                |                   |                  |  |
| Filing   | (37 CFI require   | R 1.16 (e))<br>ed)          | Examiner             | xaminer Name         |                |                   |                  |  |
|  |                   |                             |                      |                      |                |                   |                  |  |
| I hereby declare that:   |                   |                             |                      |                      |                |                   |                  |  |
| Each inventor's residence, ma                                      | iiling address, a | and citizenship are         | as stated b          | elow next to         | their nam      | e.                |                  |  |
| I believe the inventor(s) name which a patent is sought on the     |                   |                             | inventor(s)          | ) of the subject     | ct matter      | which is claimed  | d and for        |  |
|  |                   | •                           | IIMP SY              | VSTEM                |                | <u>-</u>          |                  |  |
| CONDITION MONITORING OF PUMPS AND PUMP SYSTEM                      |                   |                             |                      |                      |                |                   |                  |  |
|  |                   |                             |                      |                      |                |                   |                  |  |
|  |                   |                             |                      |                      |                |                   |                  |  |
| the specification of which   |                   | (Title of the               | Invention)           |                      |                |                   |                  |  |
| is attached hereto   | •                 |                             |                      |                      |                |                   |                  |  |
|  |                   |                             |                      |                      |                |                   |                  |  |
| OR   | <u> </u>          |                             | ٦                    |                      |                |                   |                  |  |
| was filed on (MM/DD/Y  | YYY)              |                             | as Uni               | ted States Ap        | plication      | Number or PCT     | International    |  |
| Application Number   |                   | and was amende              | d on (MM/I           | DD/YYYY)             |                |                   | (if applicable). |  |
| I hereby state that I have revie                                   | wed and under     | rstand the contents         | of the abo           | ا<br>ve identified s | specificati    | ion, including th | e claims, as     |  |
| amended by any amendment   |                   |                             |                      |                      |                |                   | · · · · · ·      |  |
| I acknowledge the duty to di                                       |                   |                             |                      |                      |                |                   |                  |  |
| continuation-in-part application<br>and the national or PCT intern |                   |                             |                      |                      | the filing     | g date of the pr  | ior application  |  |
| I hereby claim foreign priority                                    | benefits unde     | er 35 U.S.C. 119(a)         | )-(d) or (f),        | or 365(b) of         | f any fore     | eign application  | (s) for patent,  |  |
| inventor's or plant breeder's ri<br>country other than the United  |                   |                             |                      |                      |                |                   |                  |  |
| application for patent, inventor                                   | r's or plant bree | eder's rights certifica     |                      |                      |                |                   |                  |  |
| before that of the application of Prior Foreign Application        | n which priority  |                             | . Data               | Priori               | 4.             | Contified Con     | py Attached?     |  |
| Number(s)  | Country           | Foreign Filing<br>(MM/DD/YY |                      | Not Clai             |                | YES               | NO NO            |  |
| PCT/GB2003/003167  | PCT .             | 07-21-2003                  |                      |                      |                |                   | <b>✓</b>         |  |
| GB 0217494.4   | GB                | 07-29-2002                  |                      |                      |                |                   | $\checkmark$     |  |
|  |                   |                             |                      |                      | <u>ו</u>       |                   |                  |  |
|  |                   |                             |                      |                      | -              |                   | =                |  |

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]
This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information.

Officer U.S. Patent and Trademark Office U.S. Poperations of Complete Texas (Association Association Association Association Association Association (Complete Texas (Complet Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## **DECLARATION** — Utility or Design Patent Application

| and belief are believed to be true; and further that these statements were made with the knowledge that willfu   |                             |   |                     |              | -         |        |  |           |           |                 |              |
|--|-----------------------------|---|---------------------|--------------|-----------|--------|--|-----------|-----------|-----------------|--------------|
| Ira Lee Zebrak  Address The BOC Group, Inc., Legal Services-Intellectual Property 575 Mountain Ave.  City USA  Telephone 908-771-6459 908-771-6459 908-771-6459 908-771-6459  I hereby declare that all statements made herein of my own-knowledge are true and that all statements made on infor and belief are believed to be true; and further that these statements were made with the knowledge that willfu statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such false statements may learn tissued thereon.  NAME OF SOLE OR FIRST INVENTOR:  Given Name (first and middle [if any])  Nigel Paul  Inventor's Signature  Residence: City Horsham, West Sussex  State  Country Horsham, West Sussex  Mailing Address Milton House, 14 Rushams Road  City Horsham, West Sussex  State  Zip Country United Kingdom  NAME OF SECOND INVENTOR:  Given Name (first and middle [if any])  Siamak  Inventor's Signature  Residence: City Yokohama  Mailing Address  Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City State  Zip Country United Kingdom  A petition has been filed for this unsigned inventor  Family Name or Surname Abbaszadeh  Inventor's Signature  Date  Residence: City Yokohama  Mailing Address  Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  State  Zip Country United Kingdom  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  |                             | correspondence to:  | sociated with       | or:          | 020       | 0411   |  | OR        |           |                 |              |
| Address The BOC Group, Inc., Legal Services-Intellectual Property 575 Mountain Ave, City Murray Hill Country USA  I hereby declare that all statements made herein of my own knowledge are true and that all statements made on infor and belief are believed to be true; and further that these statements were made with the knowledge that willfus statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such false statements may jeopardize the validity of the application or any patent issued thereon.  MAME OF SOLE OR FIRST INVENTOR:  Given Name (first and middle [if any])  Nigel Paul  Inventor's Signature  Apetition has been filed for this unsigned inventor Family Name or Surname Schofield  Date  9" Monch O  Residence: City Name of Surname Schofield  Residence: City Horsham, West Sussex  Mailing Address Milton House, 14 Rushams Road  City Horsham, West Sussex  NAME OF SECOND INVENTOR:  Given Name (first and middle [if any])  Slamak Inventor's Signature  Residence: City State Country Horsham, West Sussex  NAME OF SECOND INVENTOR:  Given Name (first and middle [if any])  Slamak Inventor's Signature  Residence: City State Country Citizenship United Kingdom  Mailing Address Vamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Vokohama  Mailing Address Vamate Homes 208, 143-6 Yamate-cho, Naka-Ku   |                             | Name  |                     |              |           |        |  |           |           |                 |              |
| The BOC Group, Inc., Legal Services-Intellectual Property 575 Mountain Ave.  City Murray Hill Country USA  Telephone 908-771-6469 908-771-6469 908-771-6469  I hereby declare that all statements made herein of my own knowledge are true and that all statements made on infor and belief are believed to be true; and further that these statements were made with the knowledge that willfut statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such false statements may jeopardize the validity of the application or any patent issued thereon.  NAME OF SOLE OR FIRST INVENTOR: Given Name (first and middle [if any]) Nigel Paul Inventor's Signature  Residence: City Horsham West Sussex  Gabe  Residence: City Horsham, West Sussex  State  Country Family Name or Surname Schofield  Date  State  Country Final Paul United Kingdom  NAME OF SECOND INVENTOR:  Given Name (first and middle [if any]) Slamak Inventor's Signature  Date  Residence: City State  Residence: City Vokohama  Mailing Address Vamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Vokohama  Date  Zip Country Citizenship United Kingdom  A petition has been filed for this unsigned in Pamily Name or Surname Abbaszadeh  United Kingdom  Mailing Address Vamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Vokohama  | 1                           | Ira Lee Zebrak  |                     |              |           |        |  |           |           |                 |              |
| State   ZIP   O7974  | I                           |   |                     |              |           |        |  |           |           |                 |              |
| Murray Hill  Country USA  Telephone 908-771-6469  Hereby declare that all statements made interior of my-own knowledge are true and that all statements made on inform on belief are believed to be true; and further that these statements were made with knowledge that willfustatements may leopardize the validity of the application or any patent issued thereon.  NAME OF SOLE OR FIRST INVENTOR:  Given Name (first and middle [if any])  Nigel Paul  Inventor's Signature  Residence: City Horsham, West Sussex  Milling Address Milling Address Milling Address Milling Address Milling Address Milling Address  NAME OF SECOND INVENTOR:  A petition has been filed for this unsigned inventor  City Horsham, West Sussex  Residence: City Horsham, West Sussex  Malling Address  NAME OF SECOND INVENTOR:  A petition has been filed for this unsigned inventor  City Horsham, West Sussex  Date  Phone Residence: City Horsham, West Sussex  Country United Kingdom  NAME OF SECOND INVENTOR:  A petition has been filed for this unsigned in Family Name or Surname  Abbaszadeh  Inventor's Signature  Residence: City State  Country  Citizenship United Kingdom  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku   | - 1                         |   | es-Intellectual Pro | operty       |           |        |  |           |           |                 | -            |
| Country USA  Telephone 908-771-6469  Thereby declare that all statements made herein of my-own-knowledge are true and that all statements made on infor and belief are believed to be true; and further that these statements were made with the knowledge that willing statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such false statements may jeopardize the validity of the application or any patent issued thereon.  NAME OF SOLE OR FIRST INVENTOR:  Given Name (first and middle [if any])  Nigel Paul  Inventor's Signature  Residence: City Horsham, West Sussex  GBX  England  City Horsham, West Sussex  Given Name (first and middle [if any])  Name of Surname Schofield  Country Horsham, West Sussex  City Horsham, West Sussex  NAME OF SECOND INVENTOR:  Given Name (first and middle [if any])  Siamak  Inventor's Signature  Date  Residence: City Horsham (first and middle [if any])  Siamak  Inventor's Signature  City State  Country Citizenship United Kingdom  A petition has been filed for this unsigned in Family Name or Surname Abbaszadeh  Inventor's Signature  Date  Residence: City Yokohama  State  Country Citizenship United Kingdom  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  |                             | City  |                     |              |           | State  | 9  |           |           | ZIP             |              |
| USA   908-771-6469   908-771-6159  |                             | Murray Hill   |                     |              | ļ         | NJ     |  |           |           | 07974           | \            |
| Thereby declare that all statements made herein of my-own-knowledge are true and that all statements made on infor and belief are believed to be true; and further that these statements were made with the knowledge that willfustatements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such false statements may jeopardize the validity of the application or any patent issued thereon.    NAME OF SOLE OR FIRST INVENTOR:  | /                           | Country   |                     | Telephor     | ne .      |        | *  | Fax       |           |                 |              |
| and belief are believed to be true; and further that these statements were made with the knowledge that willfustatements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such false statements may jeopardize the validity of the application or any patent issued thereon.  NAME OF SOLE OR FIRST INVENTOR:  Given Name (first and middle [if any])  Nigel Paul  Inventor's Signature  Date  Schofield  Date  Schofield  Date  Schofield  Date  Schofield  Country  England  City  Horsham, West Sussex  Milton House, 14 Rushams Road  City  Horsham, West Sussex  NAME OF SECOND INVENTOR:  Given Name (first and middle [if any])  Slamak  Inventor's Signature  Date  Residence: City  State  Country  Horsham, West Sussex  NAME OF SECOND INVENTOR:  Given Name (first and middle [if any])  Slamak  Inventor's Signature  Date  Residence: City  Yokohama  Mailing Address  Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City  Yokohama  Mailing Address  Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City  Yokohama  Zip  Country  Japan  Country  Japan  Country  Japan  Country  Yokohama  Mailing Address  Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  | /                           | USA   |                     | 908-771-64   | 469       |        |  | 908-7     | 71-6159   | )<br>           |              |
| Given Name (first and middle [if any])  Schofield  Inventor's Signature  Inventor's Sign |                             | I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. |                     |              |           |        |  |           |           |                 |              |
| Nigel Paul  Inventor's Signature  Residence: City Horsham West Sussex  Mailing Address Milton House, 14 Rushams Road  City Horsham, West Sussex  State  City Horsham, West Sussex  State  Zip Country Horsham, West Sussex  RH12 2NT  United Kingdom  NAME OF SECOND INVENTOR:  Given Name (first and middle [if any])  Siamak  Inventor's Signature  Residence: City Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City State  Zip Country Lottizenship United Kingdom  A petition has been filed for this unsigned in Family Name or Surname Abbaszadeh  United Kingdom  Abbaszadeh  United Kingdom  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  Zip Country Japan  Country Japan   | 0                           | NAME OF SOLE OR FIRST IN  | VENTOR:             |              | □ A pe    | tition | has been filed                             | l for thi | s unsiar  | ned inventor    |              |
| Inventor's Signature    Date   State   Country   Citizenship   United Kingdom  | $\mathcal{O}_{\mathcal{A}}$ | Given Name (first and middle [if  | f any])             |              |           |        |  |           |           |                 |              |
| Residence: City Horsham West Sussex  Mailing Address Milton House, 14 Rushams Road  City Horsham, West Sussex  State  City Horsham, West Sussex  State  Zip RH12 2NT United Kingdom  A petition has been filed for this unsigned in Family Name or Surname Siamak Inventor's Signature  Residence: City Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  State  Zip Country United Kingdom  A petition has been filed for this unsigned in Family Name or Surname Citizenship United Kingdom  Date  Country Japan  Citizenship United Kingdom  Tip Country Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  |                             | Nigel Paul  |                     |              | Schofield |        |  |           |           |                 |              |
| Mailing Address Milton House, 14 Rushams Road  City State Zip Country Horsham, West Sussex RH12 2NT United Kingdom  NAME OF SECOND INVENTOR: A petition has been filed for this unsigned in Given Name (first and middle [if any]) Siamak Family Name or Surname Abbaszadeh  Inventor's Signature Date  Residence: City State Country Yokohama Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City State Zip Country Yokohama Zip Japan  |                             | 1,5   |                     |              |           |        |  |           |           | Date 8th Mon    | neh 05       |
| Mailing Address Milton House, 14 Rushams Road  City State Zip Country Horsham, West Sussex RH12 2NT United Kingdom  NAME OF SECOND INVENTOR: A petition has been filed for this unsigned in Given Name (first and middle [if any]) Family Name or Surname Abbaszadeh  Inventor's Signature Date  Residence: City State Country Citizenship Yokohama Japan United Kingdom  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City State Zip Country Yokohama Japan   |                             |   |                     |              |           | Cou    | ntry                                       |           |           | •               |              |
| Milton House, 14 Rushams Road  City State Zip Country Horsham, West Sussex RH12 2NT United Kingdom  NAME OF SECOND INVENTOR: A petition has been filed for this unsigned in Given Name (first and middle [if any]) Siamak Family Name or Surname Abbaszadeh  Inventor's Signature Date  Residence: City State Country Citizenship Yokohama Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City State Zip Country Yokohama Zip Country Yokohama Zip Country Japan   |                             |   | EBX                 | - 12 - 12 1  |           | Englai | nd<br>———————————————————————————————————— |           | United k  | Kingdom         |              |
| Horsham, West Sussex    RH12 2NT   United Kingdom  |                             | Mailing Address<br>Milton House, 14 Rushams Road  |                     |              |           |        |  |           |           |                 |              |
| NAME OF SECOND INVENTOR:  Given Name (first and middle [if any])  Siamak  Inventor's Signature  Residence: City Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  A petition has been filed for this unsigned in Family Name or Surname Abbaszadeh  Country Citizenship United Kingdom  Zip Country Yokohama  Zip Country Japan  |                             | City  | State               |              |           |        | Zip  |           |           | Country         |              |
| Given Name (first and middle [if any])  Siamak  Inventor's Signature  Residence: City Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  State  Country Japan  Citizenship United Kingdom  Zip Country Yokohama  Zip Country Yokohama   |                             | Horsham, West Sussex  | ļ                   |              |           |        | RH12 2NT                                   |           | Į         | Jnited Kingdo   | om           |
| Siamak  Inventor's Signature  Residence: City Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  State  Zip Country Yokohama  Zip Country Yokohama  Japan   |                             | NAME OF SECOND INVENTO  | R:                  |              |           |        | A petition h                               | as bee    | n filed f | or this unsig   | ned inventor |
| Inventor's Signature  Residence: City Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  Zip Country Yokohama  Zip Country Japan  |                             | Given Name (first and middle [if  | fany])              |              |           |        | Family N                                   | ame or    | Surnan    | ne              |              |
| Residence: City Yokohama  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  State  Zip Country Yokohama  Zip Country Japan   |                             | Siamak  |                     |              |           |        | Abbaszade                                  | h         |           |                 |              |
| Yokohama  Japan  United Kingdom  Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City Yokohama  Zip Country Yokohama  Japan  United Kingdom  Japan  United Kingdom  |                             | Inventor's Signature  |                     |              |           |        |  | ·         |           | Date            |              |
| Mailing Address Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City State Zip Country Yokohama 231- 0862 Japan   |                             | Residence: City   | State               |              |           | Cour   | ntry                                       |           | Citizer   | nship           |              |
| Yamate Homes 208, 143-6 Yamate-cho, Naka-Ku  City State Zip Country  Yokohama 231- 0862 Japan  |                             | Yokohama  |                     |              |           | Japan  | l  |           | United H  | Kingdom         |              |
| Yokohama 231- 0862 Japan   |                             | _   | cho, Naka-Ku        |              |           |        |  |           | •         |                 |              |
|  |                             | City  | State               |              |           |        | Zip  |           | Count     | ry              |              |
| Additional inventors or a legal representative are being named on thesupplemental sheet(s) PTO/SB/02A or 02LR attached hereto.   |                             | Yokohama  |                     |              |           |        | 231- 0862                                  |           | Japan     |                 |              |
|  | į                           | Additional inventors or a legal rep   | oresentative are be | ing named on | thesu     | pplem  | ental sheet(s) PTC                         | )/SB/02A  | or 02LR a | attached hereto | ).           |

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. ADDITIONAL INVENTOR(S) DECLARATION Supplemental Sheet <u> Page <sup>1</sup></u> Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Surname Derek Savidge Inventor's Signature Shoreham By Sea, West Sussex United Kingdom England Residence: City State Country Citizenship Anchorage, The Street Mailing Address Shoreham By Sea, West Sussex **BN43 5NJ** England State Zip Country Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Family Name or Surname Given Name (first and middle (if any)) Inventor's Signature Date Citizenship Residence: City State Country Mailing Address City State Country Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Surname Inventor's Signature Date Residence: City State Citizenship Country Mailing Address State

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Attorney Docket

| / DECLARATION FOR UTILITY OR   | Number   | INIOZBISI                             |  |  |  |  |  |  |
|--|--|---------------------------------------|--|--|--|--|--|--|
| DESIGN   | First Named Inventor                                     | SCHOFIELD et al.                      |  |  |  |  |  |  |
| PATENT APPLICATION   | COM  | PLETE IF KNOWN                        |  |  |  |  |  |  |
| (37 CFR 1.63)  | Application Number                                       |                                       |  |  |  |  |  |  |
| Declaration Submitted OR  Declaration Submitted after Initial  | Filing Date  |                                       |  |  |  |  |  |  |
| With Initial Filing (surcharge Filing (37 CFR 1.16 (e))  | Art Unit   |                                       |  |  |  |  |  |  |
| required)  | Examiner Name  |                                       |  |  |  |  |  |  |
|  |  |                                       |  |  |  |  |  |  |
| I hereby declare that:   |  | ·                                     |  |  |  |  |  |  |
| Each inventor's residence, mailing address, and citizenship are  | as stated below next to the                              | eir name.                             |  |  |  |  |  |  |
| I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:  |  |                                       |  |  |  |  |  |  |
| CONDITION MONITORING OF PUMPS AND PUMP SYSTEM  |  |                                       |  |  |  |  |  |  |
|  |  |                                       |  |  |  |  |  |  |
|  |  |                                       |  |  |  |  |  |  |
| (Title of the  | e Invention)   |                                       |  |  |  |  |  |  |
| the specification of which   | , monutes,   |                                       |  |  |  |  |  |  |
| is attached hereto   |  |                                       |  |  |  |  |  |  |
| OR   |  |                                       |  |  |  |  |  |  |
| was filed on (MM/DD/YYYY)  | an Haita d Chatan Ann                                    | liantian Name and BOT laterantian at  |  |  |  |  |  |  |
| was nied on (MIN/DD/1111)  | as United States App                                     | lication Number or PCT International  |  |  |  |  |  |  |
| Application Number and was amende  | ed on (MM/DD/YYYY)                                       | (if applicable).                      |  |  |  |  |  |  |
| I hereby state that I have reviewed and understand the contents  | s of the above identified sp                             | ecification, including the claims, as |  |  |  |  |  |  |
| amended by any amendment specifically referred to above.   | amended by any amendment specifically referred to above. |                                       |  |  |  |  |  |  |
| I acknowledge the duty to disclose information which is material information which be  |  |                                       |  |  |  |  |  |  |
| continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. |  |                                       |  |  |  |  |  |  |

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application   |         | Foreign Filing Date | Priority    | Certified Cop | y Attached? |  |  |  |
|---|---------|---------------------|-------------|---------------|-------------|--|--|--|
| Number(s)   | Country | (MM/DD/YYYY)        | Not Claimed | YES           | NO          |  |  |  |
| PCT/GB2003/003167   | PCT     | 07-21-2003          |             |               | <b>✓</b>    |  |  |  |
| GB 0217494.4  | GB      | 07-29-2002          |             |               | <b>✓</b>    |  |  |  |
|   |         |                     |             |               |             |  |  |  |
|   |         |                     |             |               |             |  |  |  |
| Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. |         |                     |             |               |             |  |  |  |

[Page 1 of 2]

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## **DECLARATION** — Utility or Design Patent Application

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| Name  |  |                 |             |              |   |               |          |                              |                           |
| Ira Lee Zebrak  | 1  |                 |             |              |   |               |          |                              |                           |
| Address   |  |                 |             |              |   |               |          |                              | <del></del>               |
| The BOC Group, Inc., Legal Se   | ervices-Intellectual Pro                   | perty           |             |              |   |               |          |                              |                           |
| 575 Mountain Ave. City  |  |                 |             | State        |   |               |          |                              | ZIP                       |
| Murray Hill   |  |                 |             | NJ           |   |               |          |                              | 07974                     |
|   |  | [ <del></del> . |             | 143          |   |               | -        |                              | 0/9/4                     |
| Country   |  | Telepho         |             | Fax          |   |               |          |                              |                           |
| USA   |  | 908-771-6       |             | 908-771-6159 |   |               |          |                              |                           |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. |  |                 |             |              |   |               |          |                              |                           |
| NAME OF SOLE OR FIRS  | T INVENTOR:                                |                 | Пар         | etition      | has   | been filed    | for this | s unsiar                     | ned inventor              |
| Given Name (first and midd  | lle [if any])                              |                 |             |              | ion has been filed for this unsigned inventor  Family Name or Surname |               |          |                              |                           |
| Nigel Paul  |  |                 |             |              |   | Schofield     |          |                              |                           |
| Inventor's Signature  |  |                 |             |              |   |               |          |                              | Date                      |
|   |  |                 |             |              |   |               |          |                              |                           |
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| Horsham, West Sussex  |  |                 |             | Englan       | d   |               |          | United h                     | Kingdom                   |
| Mailing Address<br>Milton House, 14 Rushams Roa   | d  | <u></u>         |             |              |   |               |          |                              |                           |
| City  | State                                      |                 |             |              | Zip   |               |          |                              | Country                   |
| Horsham, West Sussex  |  |                 |             |              | •   | 2 2NT         |          |                              | Jnited Kingdom            |
| NAME OF SECOND INVEI  | NTOR:                                      |                 |             |              | Δ   | netition ha   | s haa    |                              | or this unsigned inventor |
| Given Name (first and midd  |  |                 |             |              |   | Family Nar    |          |                              |                           |
| Siamak  | []/  |                 |             |              |   | bbaszadeh     |          | 04111411                     |                           |
| Inventor's Signature  |  |                 |             | >            |   | Daszaden      | *        |                              | Date Date                 |
| Residence: City   | State                                      |                 | <del></del> | Carra        | 4   |               |          |                              | 28. Feb. 2005             |
| Yokohama XX   | State                                      |                 |             | Coun         | uу  |               |          | Citizer                      | •                         |
| 7 01  |  |                 |             | Japan        |   |               |          | United P                     | Kingdom                   |
| Mailing Address<br>Yamate Homes 208, 143-6 Yan  | nate-cho, Naka-Ku                          |                 |             |              |   |               |          |                              |                           |
| City  | State                                      |                 |             |              | Zip   | <del></del>   |          | Countr                       | у                         |
| Yokohama  |  |                 |             |              | 231-  | 0862          |          | Japan                        |                           |
| Additional inventors or a leg   | al representative are bei                  | ng named on     | thes        | uppleme      | ntal s  | heet(s) PTO/S | SB/02A   | or 02LR a                    | attached hereto.          |

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| DECLARATION                                     |                        | Supplemental Sheet Page 1 of 1 |                        |                  |                  |  |  |
|---|------------------------|--------------------------------|------------------------|------------------|------------------|--|--|
|   |                        |                                |                        |                  |                  |  |  |
| Name of Additional Joint Inventor, if any       | y:                     | A petition                     | n has been filed for t | his unsigned     | inventor         |  |  |
| Given Name (first and middle (if any)           | )                      | Family Name or Surname         |                        |                  |                  |  |  |
| Derek   | 100                    | Savidge                        |                        |                  |                  |  |  |
| Inventor's<br>Signature                         | _                      |                                |                        | Date             |                  |  |  |
| Shoreham By Sea, West Sussex<br>Residence: City | State                  |                                | gland<br>ountry        | United<br>Citize | Kingdom<br>nship |  |  |
| Anchorage, The Street                           |                        | •                              |                        |                  |                  |  |  |
| ·   |                        |                                |                        |                  |                  |  |  |
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|   |                        |                                |                        |                  |                  |  |  |
| Name of Additional Joint Inventor, if any       | /:                     | A petition                     | n has been filed for t | his unsigned     | inventor         |  |  |
| Given Name (first and middle (if any))          | Family Name or Surname |                                |                        |                  |                  |  |  |
|   |                        |                                |                        |                  |                  |  |  |
| Inventor's<br>Signature                         |                        |                                |                        | Date             |                  |  |  |
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|   |                        |                                | [ Zip                  | 1 Count          | a y              |  |  |
| Name of Additional Joint Inventor, if any       | <i>/</i> :             | A petition                     | n has been filed for t | his unsigned     | inventor         |  |  |
| Given Name (first and middle (if any))          |                        |                                | Family Name            | or Surname       |                  |  |  |
|   |                        |                                |                        |                  |                  |  |  |
| Inventor's<br>Signature                         |                        |                                |                        | Date             |                  |  |  |
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| DRNEY                    | Filing Date                              |   |
| KNEI                     | First Named Inventor                     | SCHOFIELD et al.                                      |
| ADDRESS                  | Title                                    | Condition Monitoring of Pumps                         |
|                          | Art Unit                                 |   |
| ORM .                    | Examiner Name                            |   |
|                          | Attorney Docket Number                   | M02B151   |

| I her  | eby revoke al   | l previo               | ous powers of attorney give                          | en in the ab     | ove-id   | entified applic    | cation.     |            |          |         |
|--|---|------------------------|--|------------------|----------|--------------------|-------------|------------|----------|---------|
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|  |   |                        | Name   |                  | •        | Registra           | tion Numbe  | er         |          |         |
|  | Joshua L. Cohe  | n                      |  |                  |          | 3                  | 4,307       |            |          |         |
|  | David A. Hey  |                        |  |                  |          | 3:                 | 2,351       |            |          |         |
|  | Philip H. Von N   | eida                   |  |                  |          | 34                 | 4,942       |            |          |         |
|  | Ira Lee Zebrak  |                        |  |                  |          |                    | 1,147       |            |          |         |
| as my<br>Trade   | our attorney(s) on ark Office conr  | or agent(<br>sected th | s) to prosecute the application is erewith.          | dentified above, | , and to | transact all busir | ness in the | United Sta | ites Pat | ent and |
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| <b>V</b>   | OR<br>Firm or   |                        | The BOC Group, Inc.                                  |                  |          |                    | ╝           |            |          |         |
|  | Individual Address  | Name                   | The Boo Group, Inc.                                  |                  |          |                    |             |            |          |         |
|  | Address   |                        | Legal Services-Intellectual Pro<br>575 Mountain Ave. | perty            |          |                    |             | _          |          | **      |
|  | City  |                        | Murray Hill  |                  | State    | NJ                 |             | Zip 079    | 974      |         |
|  | Country   | _                      | USA  | -                | _        |                    |             |            |          |         |
| Lomi   | Telephone   |                        | 908-771-6469   |                  | Fax      | 908-771-6159       |             |            |          |         |
| I am the:  Applicant/Inventor.  Assignee of record of the entire interest. See 37 CFR 3.71  Statement under 37 CFR 3.73(b) is enclosed. (Form PTg/SB/96)   |   |                        |  |                  |          |                    |             |            |          |         |
|  |   |                        | SIGNATURE OF   | Applicant or As  | ssignee  | of Record          |             |            |          |         |
| Signa  | ture  |                        | · Barr   |                  |          |                    | Date        | 2          | /3/4     | 05_     |
| Name   |   | Derek S                | avidge   |                  |          |                    | Telephone   |            |          |         |
| Title a  | nd Company  |                        |  |                  |          |                    |             |            |          |         |
|  | NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below. |                        |  |                  |          |                    |             |            |          |         |
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| First Named Inventor   | SCHOFIELD et al.              |
| Title  | Condition Monitoring of Pumps |
| Art Unit   |                               |
| Examiner Name  |                               |
| Attorney Docket Number                                       | M02B151                       |

| I her        | eby revoke al  | l previo | ous powers of attorney given                                  | ven in the ab        | ove-id   | entified applic        | ation.        |                                |
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|              | Name Registration Number   |          |   |                      |          |                        |               |                                |
|              | Joshua L. Cohe   | n        |   |                      |          | 34                     | ,307          |                                |
|              | David A. Hey   |          |   |                      |          | 32                     | 2,351         |                                |
|              | Philip H. Von N  | eida     |   |                      |          | 34                     | ,942          |                                |
|              | Ira Lee Zebrak   |          |   |                      |          |                        | ,147          |                                |
|              | our attorney(s) on ark Office conr   |          | s) to prosecute the application erewith.                      | identified above     | , and to | transact all busin     | ess in the U  | Jnited States Patent and       |
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| <b>√</b>     | Firm or Individual   | Name     | The BOC Group, Inc.   |                      |          |                        | <del>-1</del> |                                |
|              | Address  |          | Legal Services-Intellectual Pro 575 Mountain Ave.             | operty               |          |                        |               |                                |
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| l am t       | he:<br>Applicant/Inve  | entor.   |   |                      |          |                        |               |                                |
|              | •  |          | the entire interest. See 37 CFR FR 3.73(b) is enclosed. (Form |                      |          |                        |               |                                |
|              |  |          | SIGNATURE of  | Applicant or As      | ssignee  | of Record              |               |                                |
| Signat       | ture   | 1        | Shell   |                      |          |                        | Date          | 15 MARCH OS                    |
| Name         |  | Nigel Pa | ul Schofield  |                      |          |                        | Telephone     |                                |
| Title a      | nd Company   |          |   |                      |          |                        |               |                                |
|              | Signatures of all the required, see  |          | rs or assignees of record of the enti                         | re interest or their | represen | ntative(s) are require | d. Submit mu  | ultiple forms if more than one |
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| Application Number     |   |
| Filing Date            |   |
| First Named Inventor   | SCHOFIELD et al.  |
| Title                  | Condition Monitoring of Pumps                             |
| Art Unit               |   |
| Examiner Name          |   |
| Attorney Docket Number | M02B151   |

| I her  | eby revoke al   | l previo               | ous powers of attorney give                       | ven in the ab        | ove-id   | entified applic       | cation.       |                                |
|--|---|------------------------|---|----------------------|----------|-----------------------|---------------|--------------------------------|
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|  | Name Registration Number  |                        |   |                      |          |                       |               |                                |
|  | Joshua L. Cohe  | n                      |   |                      |          | 3                     | 4,307         | <del></del>                    |
|  | David A. Hey  |                        |   |                      |          | 3                     | 2,351         |                                |
|  | Philip H. Von N   | eida                   |   |                      |          | 3                     | 4,942         |                                |
|  | Ira Lee Zebrak  |                        |   |                      |          |                       | 1,147         |                                |
| as my<br>Trade   | /our attorney(s) o<br>mark Office conn  | or agent(<br>sected th | s) to prosecute the application i erewith.        | identified above     | , and to | transact all busi     | ness in the l | United States Patent and       |
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| The address associated with Customer Number:   |   |                        |   |                      |          |                       |               |                                |
| <b>√</b>   | Firm or<br>Individual   | Name                   | The BOC Group, Inc.                               |                      |          |                       |               |                                |
|  | Address   |                        | Legal Services-Intellectual Pro 575 Mountain Ave. | pperty               |          |                       |               |                                |
|  | City  |                        | Murray Hill                                       |                      | State    | NJ                    |               | Zip 07974                      |
|  | Country   |                        | USA   |                      |          |                       |               |                                |
|  | Telephone   |                        | 908-771-6469                                      |                      | Fax      | 908-771-6159          |               |                                |
| l am t   | I am the:  Applicant/Inventor.  Assignee of record of the entire interest. See 37 CFR 3.71.  Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96) |                        |   |                      |          |                       |               |                                |
|  |   |                        | SIGNATURE of                                      | Applicant or A       | ssignee  | of Record             |               | <b>A</b> :=-:                  |
| Signat   | ture  | eft                    |   |                      |          |                       | Date          | 28.Feb. 2005                   |
| Name   |   | Siamak                 | Abbaszadeh  |                      |          |                       | Telephone     |                                |
| Title a  | nd Company  |                        |   |                      |          |                       |               |                                |
|  | Signatures of all the is required, see  |                        | rs or assignees of record of the entit            | re interest or their | represer | ntative(s) are requir | ed. Submit m  | ultiple forms if more than one |
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